

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference T10F1412	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/JP2004/012156	International filing date (day/month/year) 18/08/2004	(Earliest) Priority Date (day/month/year) 19/08/2003
Applicant TAKASAGO INTERNATIONAL CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).



- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2.



Certain claims were found unsearchable (See Box II).

3.



Unity of invention is lacking (see Box III).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.



- b. none of the figures is to be published with the abstract.

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 International Application No
 PCT/JP2004/012156

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ X	KELIN LI ET AL.: "Air- and moisture-stable cationic (diphosphine)palladium(II) complexes as hydroamination catalysts; X-ray crystal structures of two '(diphosphine)Pd(NCMe)(OH ₂)!2+'OTf!2-complexes" JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol. 665, 2003, pages 250-257, XP002317998 cited in the application table 2	1-6
✓ X	----- KELIN LI AND KING KUOK (MIMI) HII: "Dicationic '(BINAP)Pd(solvent)2!2+'TfO-!2:enantioselective hydroamination catalyst for alkenoyl-N-oxazolidinones" CHEMICAL COMMUNICATIONS, no. 10, 2003, pages 1132-1133, XP002317999 abstract; figure 2; table 1	1-6
✓ P,X	----- YOSHITAKA HAMASHIMA ET AL.: "Amine-salt-controlled, catalytic asymmetric conjugate addition of various amines and asymmetric protonation" ORGANIC LETTERS, vol. 6, no. 11, 27 May 2004 (2004-05-27), pages 1861-1864, XP002318000 abstract; figures 2,4; tables 1,2	1-6
✓ X	----- SANTOS FUSTERO ET AL.: "New strategy for the stereoselective synthesis of fluorinated beta-amino acids" JOURNAL OF ORGANIC CHEMISTRY, vol. 67, 2002, pages 4667-4679, XP002318001 abstract; tables 3,4	6
✓ X	----- MUKUND P. SIBI ET AL.: "Chiral lewis acid catalysis in conjugate additions of O-benzylhydroxylamine to unsaturated amides. Enantioselective synthesis of beta-amino acid precursors" J.AM.CHEM.SOC., vol. 120, no. 26, 1998, pages 6615-6616, XP002318002 figures 1,3; tables 1,3	1-3
✓ X	----- US 6 080 857 A (SIBI ET AL) 27 June 2000 (2000-06-27) abstract; examples	1-3

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Information on patent family members

International Application No
PCT/JP2004/012156

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 6080857	A	27-06-2000	US 6191283 B1	20-02-2001